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This supplement to the May 1966 issue of the Journal of the Air Pollution Control Association fills a long-recognized need for an index to authors and titles published since May of 1955. (Authors and titles for Volumes 1 through 4 appear in Volume 1 Number 1 of the APCA Abstracts, June 1955, copies of which are available from the Air Pollution Control Association at $1.00 for members, $2.00 for non-members.)

The author index, appearing on pages 1 through 15, lists authors alphabetically and their works chronologically.

The title index, appearing on pages 16 through 25, is subdivided into nine broad classifications with titles listed alphabetically in each category.

This eleven-year index is presented primarily as a reference aid. However, copies of the articles cited can be obtained from the Air Pollution Control Association, 4400 Fifth Avenue, Pittsburgh, Pennsylvania 15213, either as tearsheets at rates shown above or, if tearsheets are not available, as photocopies at $.50 per page.

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Ettinger, I. The use of the Von Brand filtering recorder in the evaluation of incinerators and smoke abatement devices. 8(2) 120–123

Ettre, L. S. Application of gas chromatographic methods for air pollution studies. 11(1) 34–43

Everts, G. S. Variations in air pollution and the incidence of respiratory disease. 12(9) 418–422

Fair, D. H. Relation of benzene soluble organic matter to suspended particulate matter in the atmosphere. 11(9) 403–407

Fairweather, J. H. A practical air pollution control district approach. 12(8) 384–387

——. Particle size distribution of settled dust. 15(8) 345–347

——. International moves abet understanding of air pollution control problems. 15(10) 490–491

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——. Economics of air pollution effects versus cost of control. 13(8) 363–364

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——. Air pollution research—reflections and projection. 14(9) 367–371

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Falk, H. L. The chemical and biological consideration of atmospheric carcinogenic agents. 7(1) 12–14

——. Photodynamic bioassay of polycyclic atmospheric pollutants. 15(4) 174–176

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——. Chromium catalysts for oxidizing automotive exhaust. 14(4) 113–117

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——. Studies on the analysis of hydrocarbons from incinerator effluents with a flame ionization detector. 12(3) 139–141

——. A rapid method for the determination of sulfur in fuel oil by the Schoniger oxygen flask method. 13(8) 380

——. The contribution of the open burning of land clearing debris to air pollution. 13(11) 542–545

——. The detection and estimation of parts per billion concentrations of hydrocarbons. 15(4) 177–178

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——. Investigation to determine the possible need for a regulation on organic compound emissions from stationary sources in the San Francisco bay area. 15(5) 226–229

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——. Evaluation of dry processes for removing sulfur dioxide from power plant flue gases. 15(10) 459–464

Fincher, E. L. Airborne microorganisms as analytical tools in aerosol studies. 7(1) 16–20

Finfer, E. Z. Some technical and economic aspects of residual fuel oil desulfurization. 15(10) 485–488

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——. Test of "fiberfrax" ceramic fibers for high temperature gas filtration. 6(2) 61–68

——. Effectiveness of odor counteractants for the treatment of stack gases. 9(1) 28–30

——. Predicting the performance of cleanable industrial fabric filters. 13(12) 581–586

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Fisher, G. F. An index of air pollution and its relation to health. 9(1) 5–11

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——. Filters and filter media for the cement industry. 9(2) 96–101

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Fochtman, E. G. Automobile paint damaged by airborne iron particles. 6(4) 243–245

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——. Removal of toxic gases in smog with metal filters. 13(5) 218–219

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——. A radiotracer study of the production of formaldehyde in the photo-oxidation of ethylene in the atmosphere. 14(6) 224–228

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——. Stacks—how high? 13(5) 198–204

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——. An evaluation of natural gas as a means of reducing industrial air pollution. 12(4) 155–163

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——. Air pollutant emissions from coal-

fired power plants, report no. 2. 15(2) 59–64
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——. The design and performance of the aerosol spectrometer. 10(5) 378–383
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——. A recommended method for soiling index surveys by automatic filter paper sampler. 10(6) 436–440
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——. Emissions of polynuclear hydrocarbons and other pollutants from heat-generation and incineration processes. 14(7) 267–278
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——. A radiotracer study of the production of formaldehyde in the photooxidation of ethylene in the atmosphere. 14(6) 224–228
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——. Scrubbing characteristics of the ejector venturi scrubber. 13(12) 613–616
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——. A test procedure for motor vehicle exhaust emissions. 12(11) 505–509
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——. Control of fluoride emissions at Harvey Aluminum, Inc.—Soderberg process aluminum reduction mill. 13(9) 437–443
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——. The effects of humidity on the coagulation rate of ammonium chloride aerosols. 14(9) 339–346
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——. Plant injury induced by photochemical reaction products of propylene-nitrogen dioxide mixtures. 14(7) 255–261
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——. Scrubbing of fume from combustion gases at efficiencies up to 99.98 percent. 11(5) 205–219
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——. Impact of changing patterns of energy use on community air quality. 15(9) 423–428
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——. Dispersion and effects of air borne fluorides in central Florida. 11(5) 220–232
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——. Sampling atmospheric fluorides with glass fiber filters. 13(8) 374–377
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——. Chromium catalysts for oxidizing automotive exhaust. 14(4) 113–117
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——. An evaluation of the aerometric probe. 11(8) 362–363
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——. Continuous determination of carbon monoxide and hydrocarbons in air by a modified infrared analyzer. 9(2) 110–114
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——. Punched card information retrieval system for air pollution control data. 14(4) 118–122
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——. Nashville sulfur dioxide emission inventory and relationship of emission to measured sulfur dioxide. 14(11) 469–474
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——. Air pollution and health: general description of a study in Nashville, Tennessee. 11(6) 289–297
——. The understanding of cause of disease. 14(4) 123–125
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——. Author's closure for incinerator testing and test results. 7(2) 118–119
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——. The formation of aerosols by irradiation of dilute auto exhaust. 8(1) 23–31
——. The chemical nature of the particulate in irradiated automobile exhaust. 8(4) 293–296
——. Eye irritants formed during photooxidation of hydrocarbons in the presence of oxides of nitrogen. 10(5) 389–392
——. Preliminary observations on the relationship between eye irritation in synthetic systems and in the atmosphere. 11(3) 121–124
——. Atmospheric sampling for aldehydes and eye irritation in Los Angeles smog —1960. 11(9) 421–424
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——. Significance of atmospheric ozone as a phytotoxicant. 15(5) 191–193
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——. The design and performance of a bootstrapping direct flame afterburner. 12(7) 340–347
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——. New York state's classifications-ambient air quality objectives system. 15(11) 519–522
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——. Further effects of temperature and pressure on photochemical oxidant production. 14(3) 96–97
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——. Eye irritation from irradiated automobile exhaust (effect of irradiation intensity; half-life studies). 8(4) 310–313
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——. A brief review of the public health service air pollution program. 12(7) 318–321
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——. Status report on auto exhaust control research—1957. 7(2) 81–85
——. Development of an improved smoke inspection guide. 8(2) 112–116
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——. Air pollution effects of incinerator firing practices and combustion air distribution. 8(4) 297–308
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——. Environmental irradiation test facility. 10(4) 331–335
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Ryan, R. J. Atmospheric sampling for aldehydes and eye irritation in Los Angeles smog—1960. 11(9) 421–424
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Sableski, J. J., Jr. Controlling the flue-fed incinerator. 10(2) 103–109
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——. Measurement of automobile exhaust gas hydrocarbons. 13(2) 73–77
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——. Dust scrubber design—A critique on the state of the art. 13(12) 587–594
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——. A simplified method for determining ozone levels in community air pollution surveys. 11(1) 28–33
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——. Economics, engineering and air pollution in the design of large chimneys—an addendum. 15(11) 536–537
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——. Corona quenching—its significance in electrical precipitation. 13(12) 617–621
——. Fundamentals of electrode rapping in industrial electrical precipitators. 15(2) 50–55
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——. Dynamic irradiation chamber tests of automotive exhaust, Part I. 12(10) 468–473
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——. Sampling station and time requirements for urban air pollution survey, Part 1. 11(6) 270–280
——. The radial distribution of sulfur dioxide source strength and concentration in Nashville. 11(11) 529–534
——. Sampling station and time requirements for urban air pollution surveys. 12(3) 111–128
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——. Field evaluation of combustion air effects on atmospheric emissions from municipal incinerators. 12(2) 83–89
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——. Status report on auto exhaust control research—1957. 7(2) 81–85
——. High temperature fabric filtration of industrial gases. 11(5) 243–247
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——. Achieving greater sensitivity in source sampling by the S-N modification to the high volume air sampler. 11(4) 151–154
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